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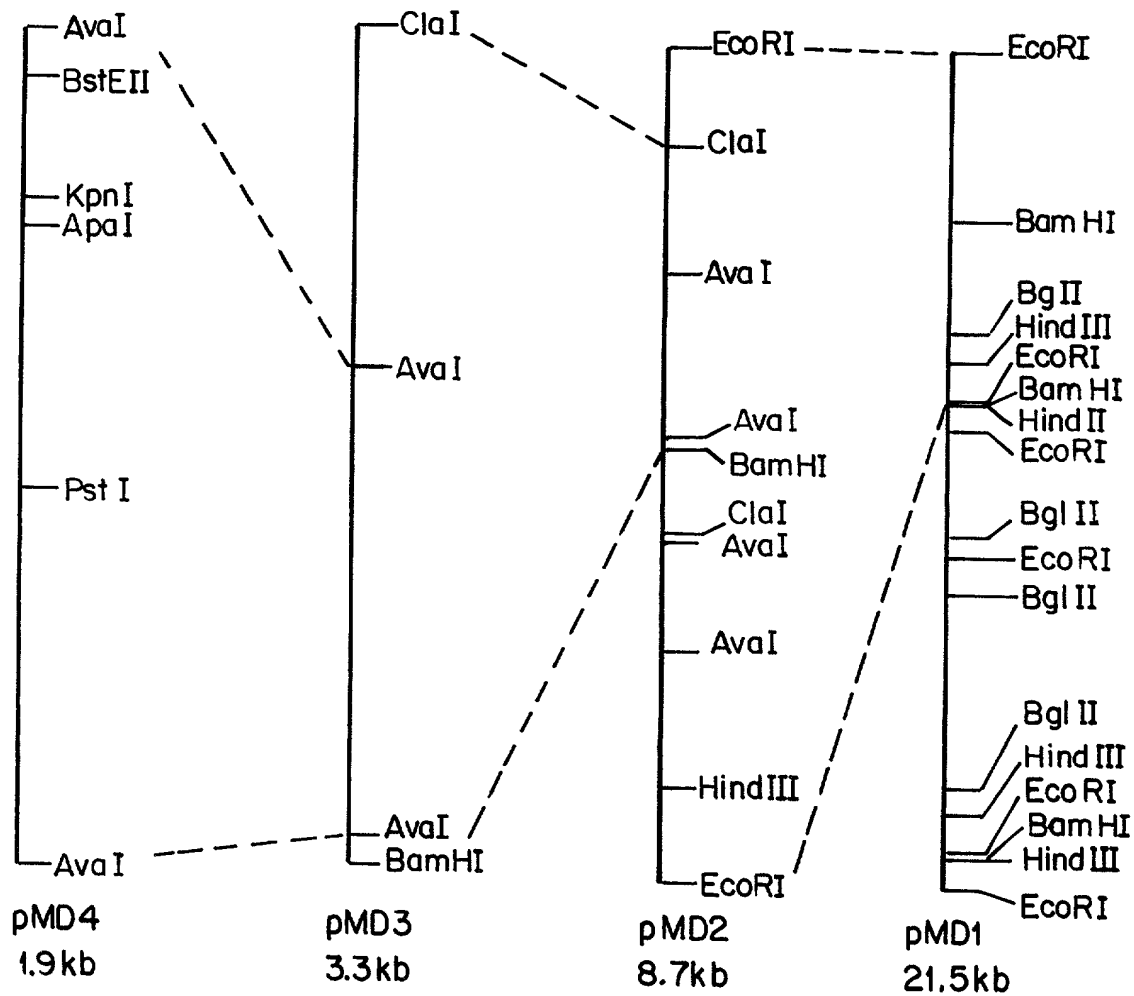


Fig. 1

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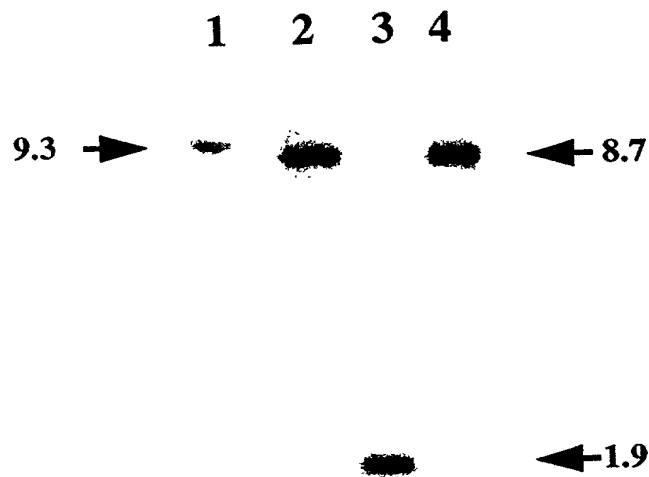


Fig. 2

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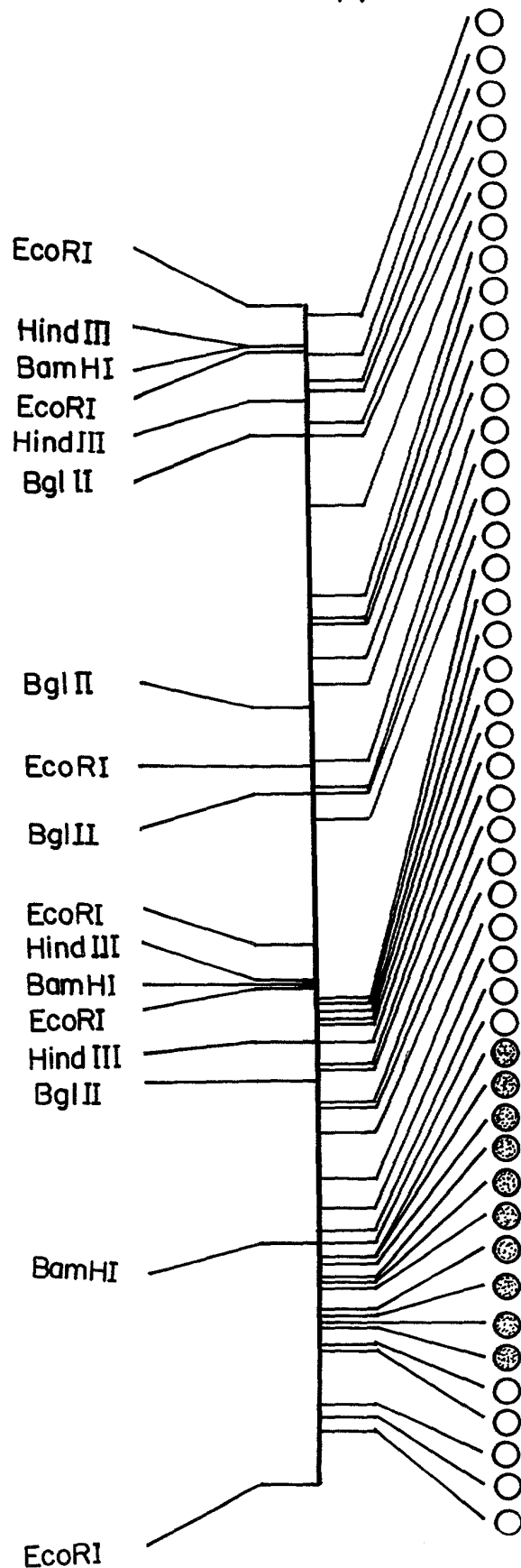


Fig. 3

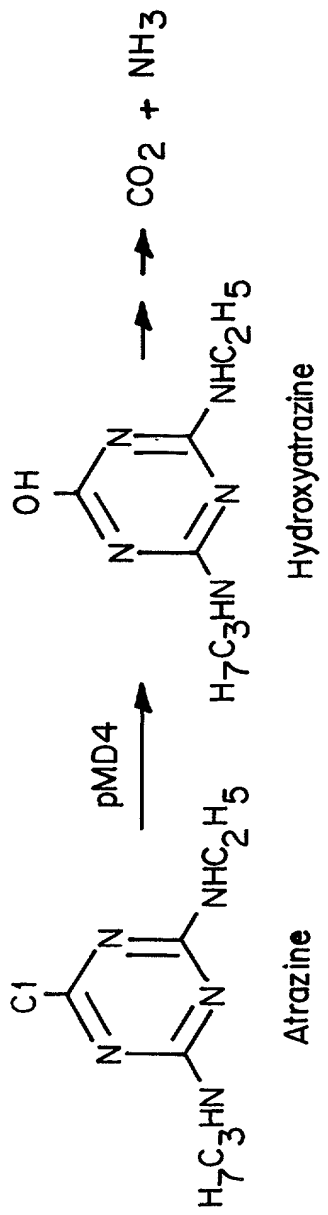


Fig. 4

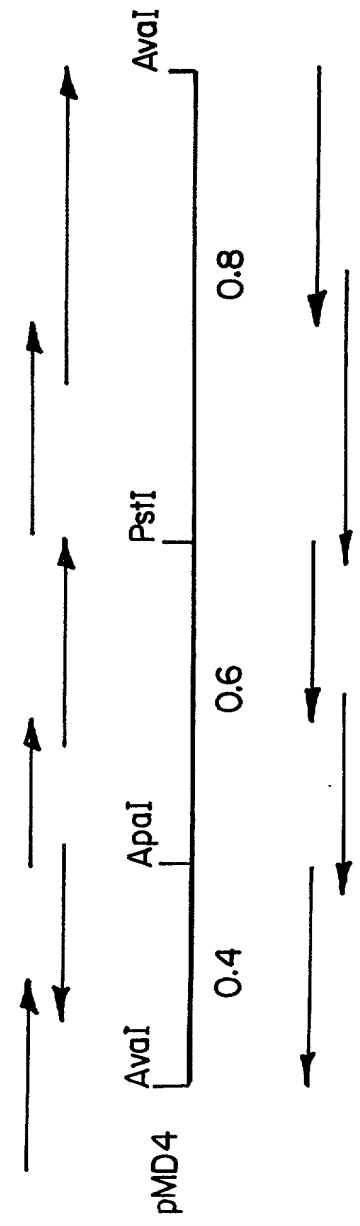


Fig. 5

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Fig. 6

1 CTCGGGTAAC TTCTTGAGCG CGGCCACAGC AGCCTTGATC ATGAAGGCGA
51 GCATGGTGAC CTTGACGCCG CTCTTTTCGT TCTCTTTGTT GAACTGCACG
101 CGAAAGGCTT CCAGGTCGGT GATGTCCGCG TCGTCGTGGT TGGTGACGTG
151 CGGGATGACC ACCCAGTTGC GGTGCAGGTT TTTTCGATGGC ATAATATCTG

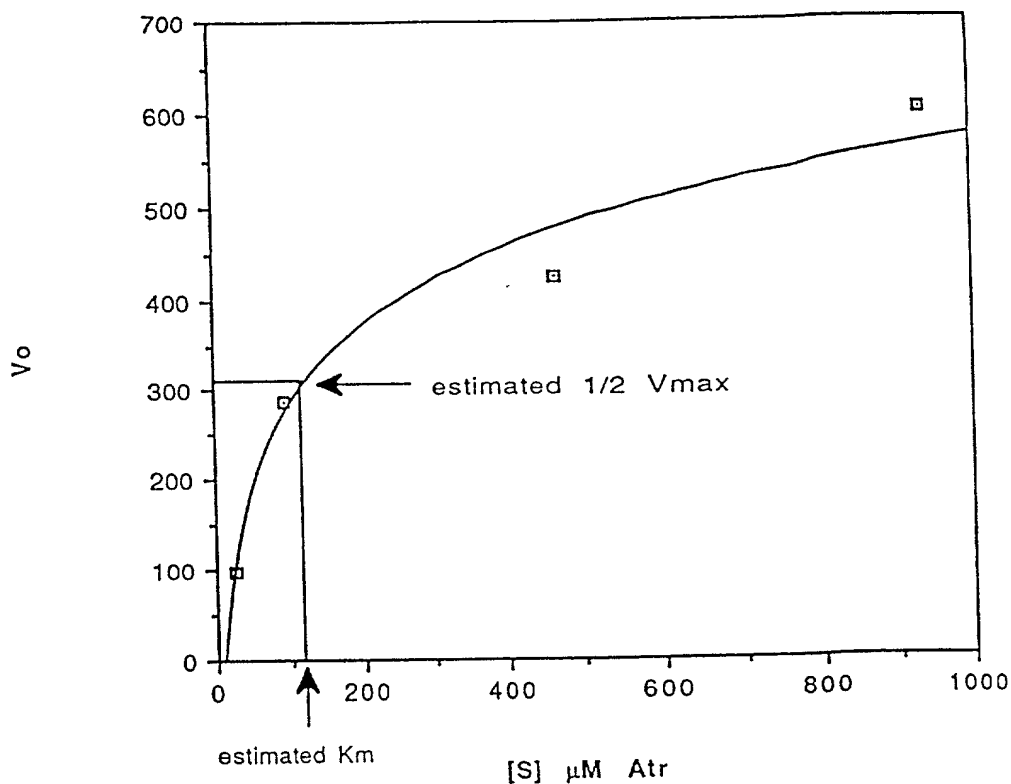
atzA →

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251 ATCCAGCACG GTACCCTCGT CACGATGGAT CAGTACCGCA GAGTCCTTGG
301 GGATAGCTGG GTTCACGTGC AGGATGGACG GATCGTCGCG CTCGGAGTGC
351 ACGCCGAGTC GGTGCCTCCG CCAGCGGATC GGGTGATCGA TGCACGCGGC
401 AAGGTCGTGT TACCCGGTTT CATCAATGCC CACACCCATG TGAACCAGAT
451 CCTCCTGCGC GGAGGGCCCT CGCACGGACG TCAATTCTAT GACTGGCTGT
501 TCAACGTTGT GTATCCGGGA CAAAAGGCGA TGAGACCGGA GGACGTAGCG
551 GTGGCGGTGA GGTGTATTG TCGCGAAGCT GTGCGCAGCG GGATTACGAC
601 GATCAACGAA AACGCCGATT CGGCCATCTA CCCAGGCAAC ATCGAGGCCG
651 CGATGGCGGT CTATGGTGAG GTGGGTGTGA GGGTCGTCTA CGCCCGCATG
701 TTCTTTGATC GGATGGACGG GCGCATTCAA GGGTATGTGG ACGCCTTGAA
751 GGCTCGCTCT CCCCAAGTCG AACTGTGCTC GATCATGGAG GAAACGGCTG
801 TGGCCAAAGA TCGGATCACA GCCCTGTCAG ATCAGTATCA TGGCACGGCA
851 GGAGGTCGTA TATCAGTTTG GCCCGCTCCT GCCACTACCA CGGCGGTGAC
901 AGTTGAAGGA ATGCGATGGG CACAAGCCTT CGCCCGTGAT CGGGCGGTAA
951 TGTGGACGCT TCACATGGCG GAGAGCGATC ATGATGAGCG GATTCATGGG
1001 ATGAGTCCCG CCGAGTACAT GGAGTGTTAC GGACTCTTGG ATGAGCGTCT
1051 GCAGGTCGCG CATTGCGTGT ACTTTGACCG GAAGGATGTT CGGCTGCTGC
1101 ACCGCCACAA TGTGAAGGTC GCGTCGCAGG TTGTGAGCAA TGCCTACCTC
1151 GGCTCAGGGG TGGCCCCCGT GCCAGAGATG GTGGAGCGCG GCATGGCCGT
1201 GGGCATTGGA ACAGATAACG GGAATAGTAA TGA CTCCGCA AACATGATCG
1251 GAGACATGAA GTTTATGGCC CATATTCACC GCGCGGTGCA TCGGGATGCG
1301 GACGTGCTGA CCCAGAGAA GATTCTTGAA ATGGCGACGA TCGATGGGGC
1351 GCGTTCGTTG GGAATGGACC ACGAGATTGG TTCCATCGAA ACCGGCAAGC
1401 GCGCGGACCT TATCCTGCTT GACCTGCGTC ACCTCAGACG ACTCTCACAT
1451 CATTTGGCGG CCACGATCGT GTTTCAGGCT TACGGCAATG AGGTGGACAC
1501 TGTCCTGATT GACGGAAACG TTGTGATGGA GAACCGCCGC TTGAGCTTTC
1551 TTCCCCCTGA ACGTGAGTTG GCGTTCCTTG AGGAAGCGCA GAGCCGCGCC
1601 ACAGCTATTT TGCAGCGGGC GAACATGGTG GCTAACCAG CTTGGCGCAG
1651 CCTCTAGGAA ATGACGCCGT TGCTGCATCC GCCGCCCTT GAGGAAATCG
1701 CTGCCATCTT GCGCGGCTC GGATTGGGGG GCGGACATGA CTTGATGGA
1751 TACAGAATTG CCATGAATGC GGCACCTCCG TCCTTCGCTC GTGTGGAATC
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1851 GGCCCGAG

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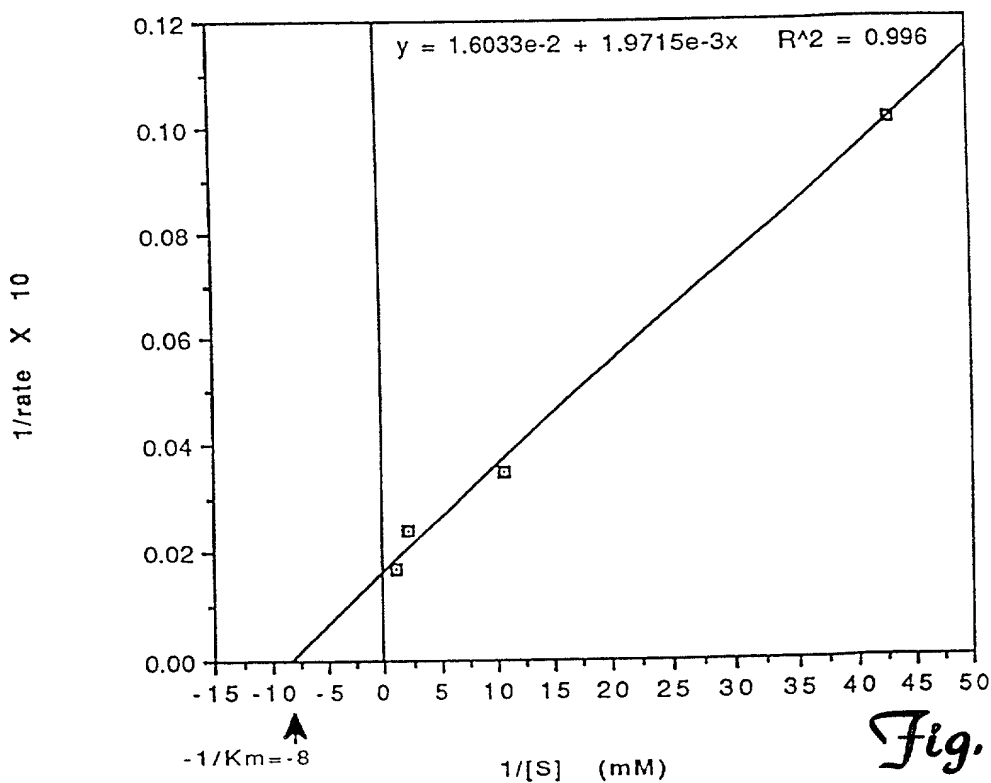
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101	PEDVAVAVRL	YCAEAVRSGI	TTINENADSA	IYPGNIEAAM	AVYGEVGVVR
151	VYARMFFDRM	DGRIQGYVDA	LKARSPQVEL	CSIMEETAVA	KDRITALSDQ
201	YHGTAGGRIS	VWPAPATTTA	VTVEGMRWAQ	AFARDRAVMW	TLHMAESDHD
251	ERIHGMSPAE	YMECYGLLDE	RLQVAHCVYF	DRKDVRLLRH	HNVKVASQVV
301	SNAYLGSGVA	PVPEMVERGM	AVGIGTDNGN	SNDSANMIGD	MKFMAHIHRA
351	VHRDADVLTP	EKILEMATID	GARSLGMDHE	IGSIETGKRA	DLILLDLRHL
401	RRLSHHLAAT	IVFQAYGNEV	DTVLLIDGNVV	MENRRLSFLP	PERELAFLEE
451	AQSRATAILO	RANMVANPAW	RSL		

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Rates for AtzA w/ atrazine



(A)

Lineweaver Burke plot
Km estimated to be 125 μ M



(B)

Fig. 8